

DETAILED ACTION

Allowable Subject Matter

1. **Claims 1 and 3-24** are allowed.

The following is a statement of reasons for allowance:

As for independent claim 1, it recites an automatic speech recognition system having at least two language models, a method for combining language model scores generated by at least two language models comprising generating a list of most likely words, computing language model scores, respectively and dynamically determining a set of coefficients, respectively combining the language model scores by dividing text data and selecting the set of coefficients, so as to maximize the likelihood of the text data with respect to the at least two language models. Prior art such as Gillick show a similar system but fails to teach the recited system that respectively and dynamically determines a *set of coefficients* to be used to combine the language model scores of each of the most likely words in the list *based on a context of the current word* and *dividing text data for training a plurality of sets of coefficients into partitions*, to enhance the probability of a correct word selection during the decoding process.

Regarding claims 11 and 19, they recite a method and system for combining language model scores generated by at least two language models comprising generating a list of most likely words, computing language model scores, determining a weight vector to be used and combining the language model scores. Prior art such as Gillick show a similar method and system by fails to specifically teach determining a *weight vector* to be used to combine the language model scores of each of the most

likely words in the list based on a context of the current word, the weight vector comprising n -weights, wherein n equals a number of language models in the system, and each of the n -weights depends upon *history n -gram counts*, enhance the probability of a correct word selection during the decoding process.

Dependent claims 3-10, 12-18 and 20-24 are allowed because they further limit their parent claims.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAKIEDA R. JACKSON whose telephone number is (571)272-7619. The examiner can normally be reached on Monday-Friday from 5:30am-2:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Hudspeth can be reached on 571-272-7843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2626

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JRJ

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/David R Hudspeth/

Supervisory Patent Examiner, Art Unit 2626